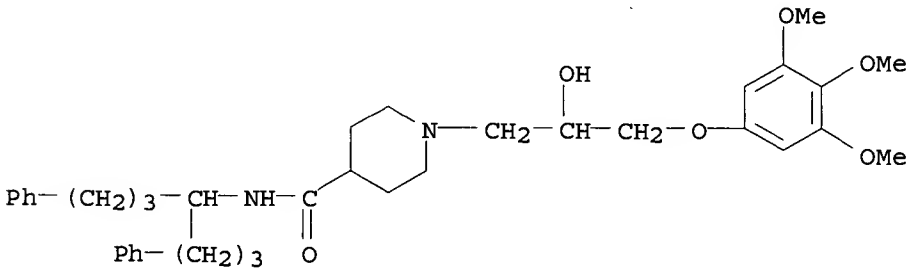
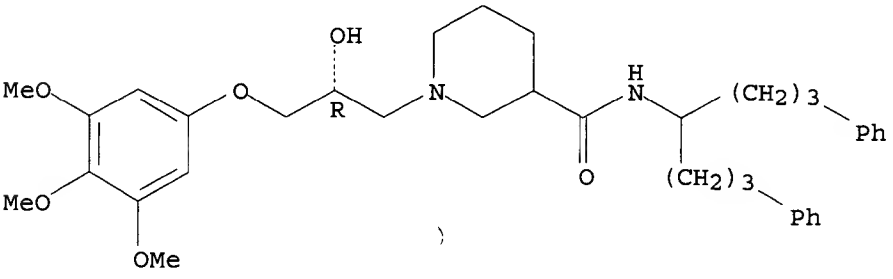
AI US 2001-996657 A1 20011129 (9)
RLI Division of Ser. No. US 2000-740643, filed on 19 Dec 2000, PENDING
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, IVORYDALE TECHNICAL CENTER - BOX 474, 5299 SPRING GROVE AVENUE, CINCINNATI, OH, 45217
CLMN Number of Claims: 16
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2583
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



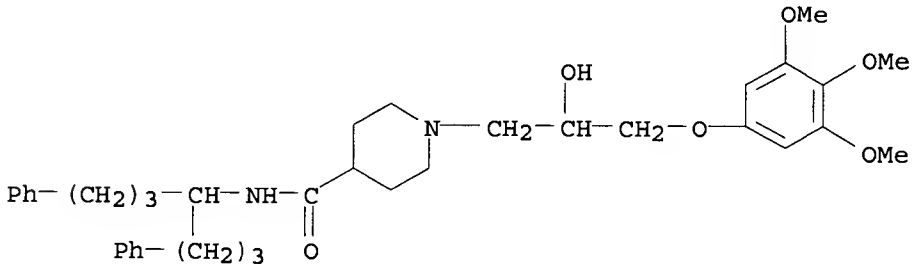
IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L11 ANSWER 7 OF 8 USPATFULL
AB Compounds, compositions, and methods for treating multidrug resistance are disclosed. Suitable compounds are 2-substituted heterocyclic compounds. An example compound has the formula: ##STR1##

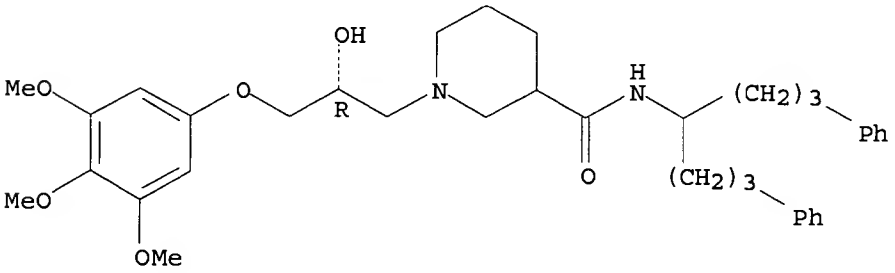
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:172362 USPATFULL
TI 2-substituted heterocyclic compounds for treating multidrug resistance
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002091120 A1 20020711
AI US 2000-740279 A1 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, PATENT DIVISION, MIAMI VALLEY LABORATORIES, P.O. BOX 538707, CINCINNATI, OH, 45253-8707
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1700
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



Abandoned
4/02/2002

IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L11 ANSWER 8 OF 8 USPATFULL

AB Substituted heterocyclic compounds are disclosed. The compounds are useful for treating multidrug resistance. The compounds can be formulated in compositions with a carrier and, optionally, a therapeutic agent. One suitable substituted heterocyclic compound has the formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 2002:88498 USPATFULL

TI Substituted six-membered heterocyclic compounds useful for treating multidrug resistance and compositions and methods thereof

IN Degenhardt, Charles Raymond, Cincinnati, OH, United States
Eickhoff, David Joseph, Edgewood, KY, United States
PA The Procter & Gamble Co., Cincinnati, OH, United States (U.S. corporation)

PI US 6376514 B1 20020423
AI US 2000-740643 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS GRANTED
EXNAM Primary Examiner: Rotman, Alan L.; Assistant Examiner: Desai, Rita
LREP McDow-Dunham, Kelly L., Lewis, Leonard W., Clark, Karen F.
CLMN Number of Claims: 18
ECL Exemplary Claim: 1
DRWN 0 Drawing Figure(s); 0 Drawing Page(s)
LN.CNT 2568

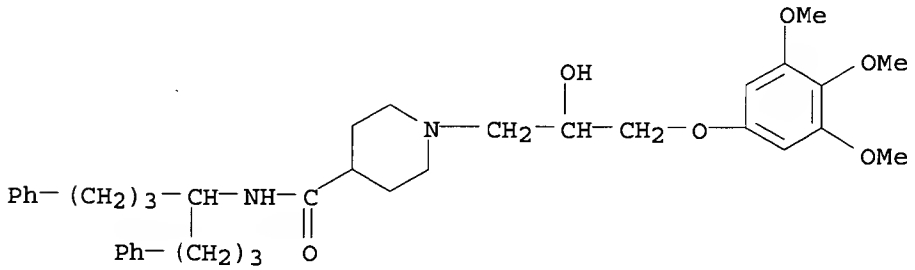
parent allowed with R6 as amidine

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)

RN 414866-81-2 USPATFULL

CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

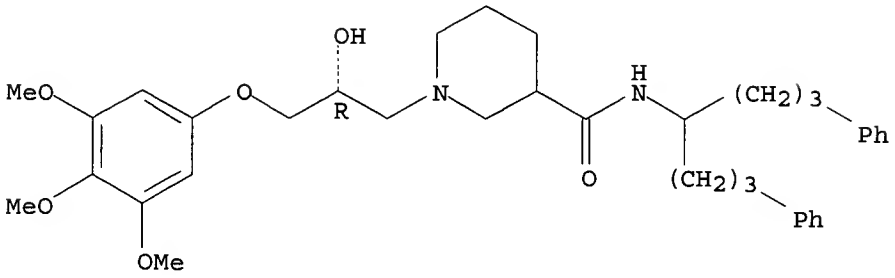


IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)

RN 414866-86-7 USPATFULL

CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

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FILE COVERS 1907 - 14 Nov 2002  VOL 137 ISS 20
FILE LAST UPDATED: 13 Nov 2002  (20021113/ED)

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  substance identification.

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information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> d his

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L2              11 S L1
L3            8140 S L1 FUL
L4             STRUCTURE UPLOADED
L5              5 S L4
L6            2225 S L5 FUL

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Print selected from Online session14/11/2002

L7 425 S L6

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L8 STRUCTURE UPLOADED
L9 0 S L8
L10 3 S L8 FUL

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L11 8 S L10

FILE 'CAPLUS' ENTERED AT 13:05:57 ON 14 NOV 2002

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L12 2 L10

=> d abs bib hitstr 1-2

L12 ANSWER 1 OF 2 CAPLUS COPYRIGHT 2002 ACS
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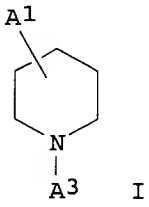

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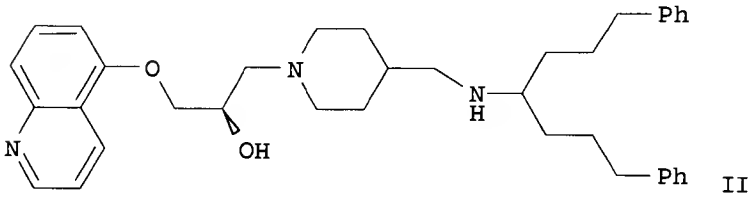

II

AB Title compds. I [A1 = [C(R1)2]x-D1-D2-R2; R1 = H, OH, alkyl, carbocyclic, arom. group; x = 0-10; R2 = alkyl, carbocyclic, arom. group; D1-2 = CO, NR3, with the proviso that wherein when D1 = NR3 then D2 = CO and when D2 = NR3, D1 = CO; R3 = H, R2; A3 = D4-[C(R1)2]t-D5; t = 0-6; D4 = CO, CHR1; D5 = NHR6, OR6; R6 = quinolyl] were prepd. For instance, (R)-5-oxiranylmethoxyquinoline was prepd. from (R)-glycidyl tosylate and 5-hydroxyquinoline (DMF, NaH), and used to alkylate piperidine-4-carboxylic acid [4-phenyl-1-(3-phenylpropyl)butyl]amide (prepn. given; i-PrOH, 70.degree.C, 18 h) to give II. The half-max. inhibition of MDR1-ATPase, Ki (stimulated by 30-40 .mu.M verapamil) for II = 0.3 .mu.M. I are useful for treating multidrug resistance and can be formulated optionally with a therapeutic agent, e.g., Taxol.
AN 2002:312015 CAPLUS
DN 136:325426
TI Preparation of piperidine derivatives useful for treating multidrug

resistance and compositions thereof
IN Degenhardt, Charles Raymond; Eickhoff, David Joseph
PA The Procter & Gamble Co., USA
SO U.S., 50 pp.
CODEN: USXXAM
DT Patent
LA English
FAN.CNT 4

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	US 6376514	B1	20020423	US 2000-740643	20001219
	US 2002082262	A1	20020627	US 2000-740642	20001219
	US 2002091120	A1	20020711	US 2000-740279	20001219
	US 2002115659	A1	20020822	US 2000-740644	20001219
	US 2002128269	A1	20020912	US 2000-740387	20001219
	WO 2002032869	A2	20020425	WO 2001-US42781	20011016
	WO 2002032969	A3	20020822		

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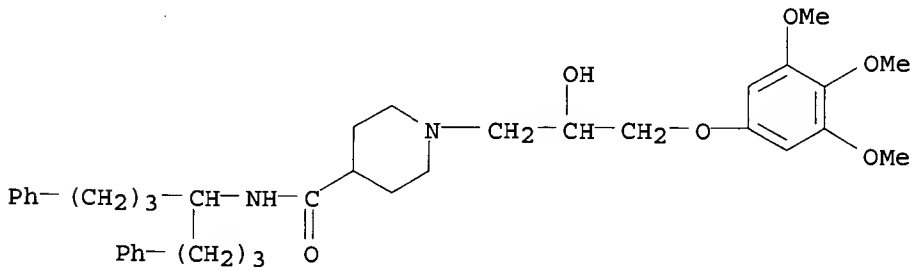
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

	US 2002099215	A1	20020725	US 2001-996657	20011129
PRAI	US 2000-241127P	P	20001017		
	US 2000-740643	A	20001219		

OS MARPAT 136:325426
IT **414866-81-2P**
RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 CAPLUS
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



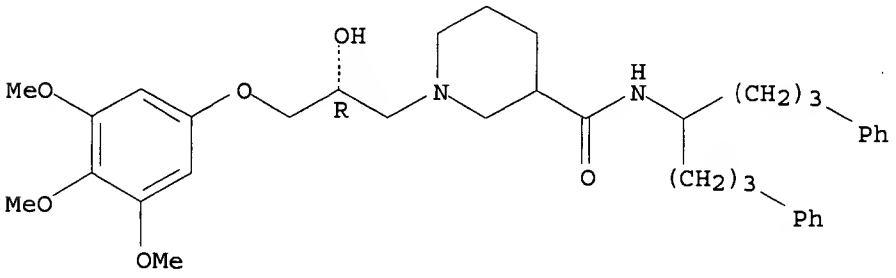
IT **414866-86-7P**
RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(drug; prepn. of piperidine derivs. useful for treating multidrug

resistance and compns. thereof)

RN 414866-86-7 CAPLUS

CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

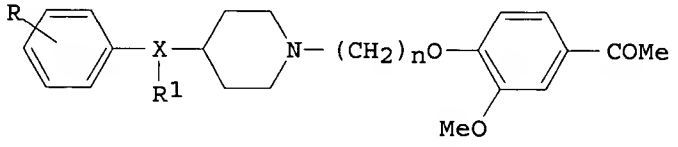
Absolute stereochemistry.



RE.CNT 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD
ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 CAPLUS COPYRIGHT 2002 ACS

GI



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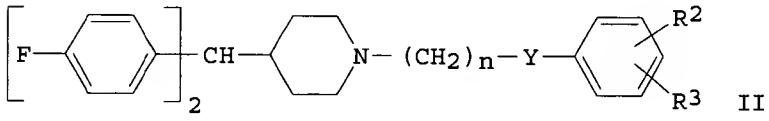

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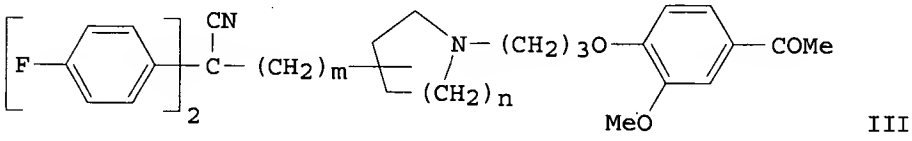


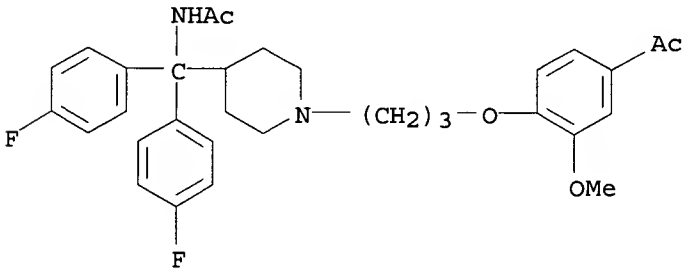
III

AB Title compds. I (R = 4-F, H, 3,4-F2, 2,4-F2, 4-Cl, 4-Me, 3-F, 4-MeO, R1 = 4-FC6H4, Ph, 3-FC6H4, H, 2-pyridyl, etc., X = CH, CHCH2, C(OH), etc., n = 2-6), II [R2 = 2-MeO, R3 = 4-COMe, 4-CH(OH)Me, 4-Et, 4-CO2Me, etc.; R2 = 4-COMe, 4-CONH2, 4-cyano, 4-F, etc., R3 = H; Y = O, CH2, NMe, S, SO2, n = 2, 3], and III (n = 1, 2, m = 0, 1; ring position = 3, 4) were prepd. as calcium-channel blockers and antihypertensive agents. Thus, reacting Me vanillate with 4-[bis(4-fluorophenyl)methyl]-1-(3-chloropropyl)piperidine gave II (R2 = 2-MeO, R3 = 4-CO2Me, Y = O, n = 3). The most potent compds. had fluoro substituents in the 3- and/or 4-positions of both rings of the di-Ph group.

AN 1991:583028 CAPLUS

Print selected from Online session14/11/2002

DN 115:183028
TI Synthesis, calcium-channel-blocking activity, and antihypertensive activity of 4-(diarylmethyl)-1-[3-(aryloxy)propyl]piperidines and structurally related compounds
AU Shanklin, James R., Jr.; Johnson, Christopher P., III; Proakis, Anthony G.; Barrett, Richard J.
CS Dep. Chem. Res., A. H. Robins Co., Richmond, VA, 23261-6609, USA
SO Journal of Medicinal Chemistry (1991), 34(10), 3011-22
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
IT **135257-04-4P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., antihypertensive, and calcium channel blocking activity of)
RN 135257-04-4 CAPLUS
CN Acetamide, N-[[1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-4-piperidinyl]bis(4-fluorophenyl)methyl]- (9CI) (CA INDEX NAME)



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CA SUBSCRIBER PRICE	-1.24	-1.24

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*** FILE CONTAINS 8,374,887 SUBSTANCES ***

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substance documents. To restrict the search to reaction documents use "/XXX.RX".)
For additional information see HELP RXS. <<<

>>> FOR SEARCHING PREPARATIONS SEE HELP PRE <<<

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100.0% PROCESSED     509 ITERATIONS                              0 ANSWERS
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FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
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PROJECTED ITERATIONS:          8828 TO    11532
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L13            0 SEA SSS SAM L8

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DICTIONARY FILE UPDATES:  13 NOV 2002  HIGHEST RN 473527-47-8

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PROPERTIES for more information.  See STNote 27, Searching Properties
in the CAS Registry File, for complete details:
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http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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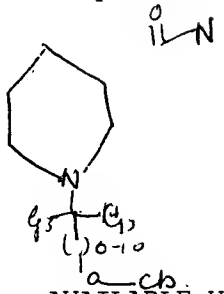

L14 STRUCTURE UPLOADED

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L14 HAS NO ANSWERS
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Structure attributes must be viewed using STN Express query preparation.

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BATCH **COMPLETE**
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CA SUBSCRIBER PRICE 0.00 -1.24

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FILE 'USPAT2' ENTERED AT 13:12:45 ON 14 NOV 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l16
L17 2 L16

=> d abs bib hitstr 1-2

L17 ANSWER 1 OF 2 USPATFULL

AB A method of treating cardiac dysfunction, the effects of histamine, and gastric secretion excesses with aryl(alkyl and alkylene)-N-[(phenoxy and phenythio)alkyl]aminoheterocyclics corresponding to the formula: ##STR1## wherein Ar is phenyl or substituted phenyl; R is phenyl, substituted phenyl, pyridinyl or cycloalkyl; A is hydrogen, hydroxy, cyano, amido and amino; Q is --CH.sub.2 --, --CH--, or --CHOH--; d and n are zero or one and the dotted lines form double bonds consistent with the valence of carbon; p is zero, one or two; m is one to six inclusive; B is oxygen, nitrogen, sulfur, sulfinyl or sulfonyl; z is zero or one; l is zero or one; W is hydrogen, loweralkyl, halo, nitro, loweralkoxy or hydroxy; X is hydrogen, loweralkyl, halogen, loweralkoxy or hydroxy; Y is --CH(OH)CH.sub.2 OH, --CH(OH)C(O)OH, --C(O)C(O)OH, --C(O)CH.sub.2 OH,--C(O)C(O)OCH.sub.3, --C(O)C(O)OC.sub.2 H.sub.5, --CH.sub.2 C(O)OC.sub.2 H.sub.5, --CH(OH)C(O)OCH.sub.3, --CH(OH)C(O)OC.sub.2 H.sub.5 or --C(O)CH.sub.2 OC(O)CH.sub.3 ; and the pharmaceutically acceptable salts thereof; in addition to the above methods of treatment, compounds wherein (B).sub.z is oxygen are useful in a method of treating Gell and Coombs type 1 allergic responses in mammals.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AN 91:98390 USPATFULL

TI Aryl(alkyland alkylene)-N-((phenoxy and phenylthio)alkyl) aminoheterocyclics as cardiovascular, anthihistaminic, antisecretory and antiallergy agents

IN Teng, Lina C., Richmond, VA, United States
Walsh, David A., Richmond, VA, United States
Shanklin, Jr., James R., Richmond, VA, United States

PA A. H. Robins Company, Incorporated, Richmond, VA, United States (U.S. corporation)

PI US 5070087 19911203

AI US 1989-349247 19890508 (7)

DCD 20060307

DT Utility

FS Granted

EXNAM Primary Examiner: Shah, Mukund J.; Assistant Examiner: Ward, E. C.

LREP Jackson, Richard K.

CLMN Number of Claims: 5

ECL Exemplary Claim: 1

DRWN No Drawings

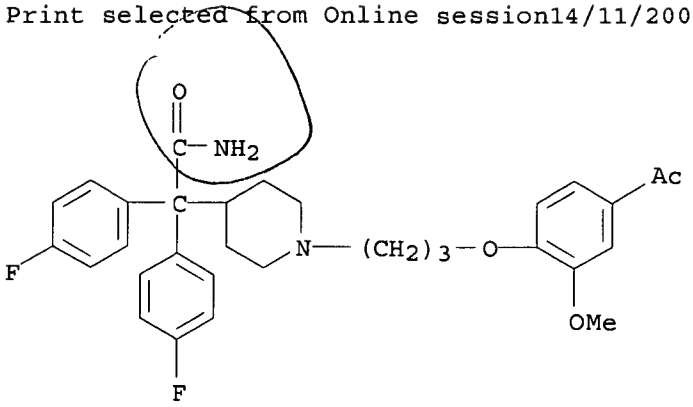
LN.CNT 2320

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

IT **135257-00-0P 135257-01-1P**
(prepn. of, as cardiovascular, antihistaminic, antisecretory, and antiallergic agent)

RN 135257-00-0 USPATFULL

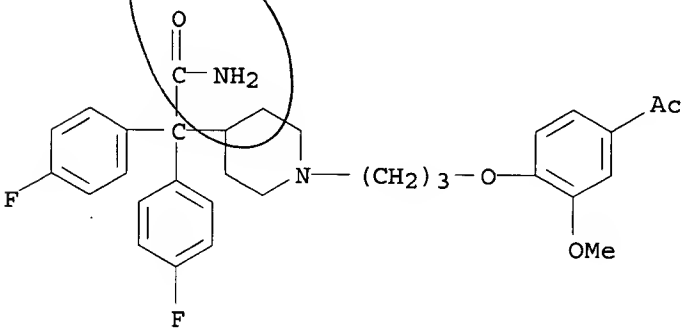
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-bis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 135257-01-1 USPATFULL
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-
.alpha.,.alpha.-bis(4-fluorophenyl)-, (2E)-2-butenedioate (2:1) (9CI)
(CA INDEX NAME)

CM 1

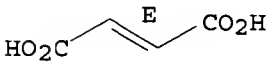
CRN 135257-00-0
CMF C31 H34 F2 N2 O4



CM 2

CRN 110-17-8
CMF C4 H4 O4
CDES 2:E

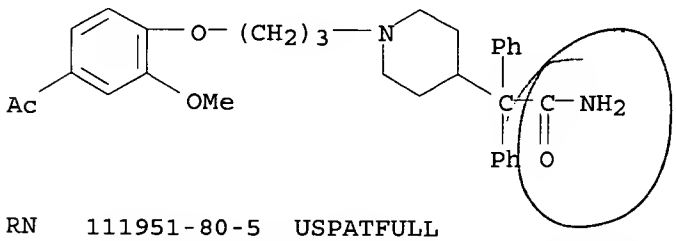
Double bond geometry as shown.



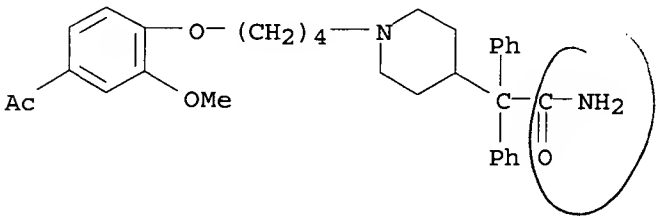
L17 ANSWER 2 OF 2 USPATFULL
AB A method of treating allergy with substituted heterocyclic amines is disclosed wherein the active agents are expressed generally by the formula which includes certain known and certain novel compounds: ##STR1## wherein p is zero, one or two; m is one to six inclusive; A is selected from hydrogen, hydroxy or cyano; d is zero or one; Q is --CH--,

--CH.sub.2 -- or ##STR2## n is zero or one and when Q is --CH-- and n is one, a double bond is formed with one of the adjacent carbons but not both at the same time, and when n and d are zero at the same time, a double bond is formed between the .alpha. carbon and a carbon of the central heterocyclic amine ring; Ar, D and R are selected from phenyl, substituted phenyl, pyridinyl, thienyl, furanyl or naphthyl and in addition, R may have the values benzyl, substituted benzyl, cycloalkyl or loweralkyl and D may additionally have the values: 2H-1-benzopyran-2-one, 4-oxo-4H-1-benzopyran-2-carboxylic acid loweralkyl ester, 2,3-dihydro-4H-1-benzopyran-4-one or 1,4-benzodioxan-loweralkyl-2-yl, and the pharmaceutically acceptable salts thereof.

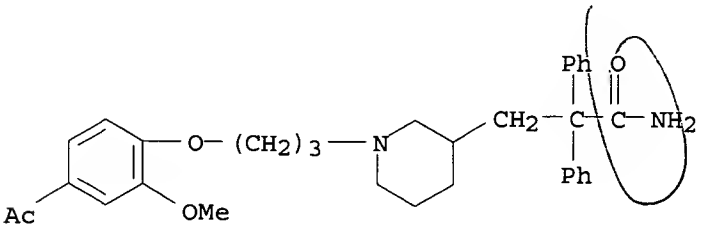
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 89:17314 USPATFULL
TI Arylalkyl-heterocyclic amines, n-substituted by aryloxyalkyl groups used in a method for allergy treatment
IN Yanni, John M., Chesterfield, VA, United States
Walsh, David A., Richmond, VA, United States
PA A. H. Robins Company, Incorporated, Richmond, VA, United States (U.S. corporation)
PI US 4810713 19890307
AI US 1985-811799 19851220 (6)
DT Utility
FS Granted
EXNAM Primary Examiner: Schenkman, Leonard
CLMN Number of Claims: 101
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 3420
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **111951-79-2P 111951-80-5P 111951-81-6P**
111951-89-4P 111952-11-5P 111952-12-6P
(prepn. of, as antihypertensive or antianginal agent)
RN 111951-79-2 USPATFULL
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



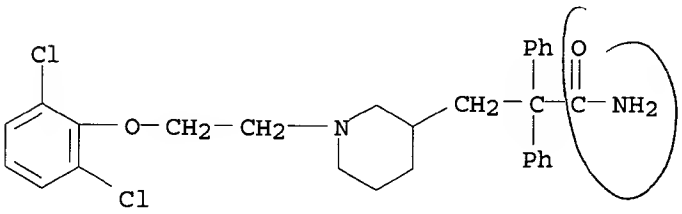
RN 111951-80-5 USPATFULL
CN 4-Piperidineacetamide, 1-[4-(4-acetyl-2-methoxyphenoxy)butyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



RN 111951-81-6 USPATFULL
CN 3-Piperidinepropanamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



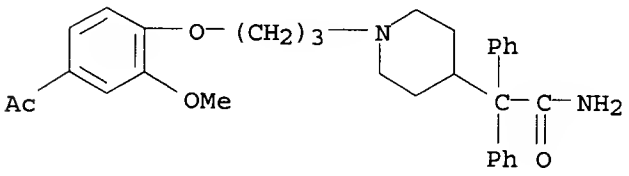
RN 111951-89-4 USPATFULL
CN 3-Piperidinepropanamide, 1-[2-(2,6-dichlorophenoxy)ethyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



RN 111952-11-5 USPATFULL
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

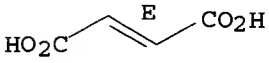
CRN 111951-79-2
CMF C31 H36 N2 O4



CM 2

CRN 110-17-8
CMF C4 H4 O4
CDES 2:E

Double bond geometry as shown.

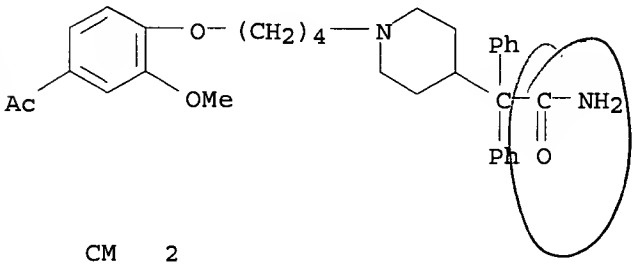


Print selected from Online session14/11/2002

RN 111952-12-6 USPATFULL
CN 4-Piperidineacetamide, 1-[4-(4-acetyl-2-methoxyphenoxy)butyl]-.alpha.,.alpha.-diphenyl-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

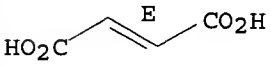
CRN 111951-80-5
CMF C32 H38 N2 O4



CM 2

CRN 110-17-8
CMF C4 H4 O4
CDES 2:E

Double bond geometry as shown.



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FULL ESTIMATED COST	15.02	761.31

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	0.00	-1.24

FILE 'CAPLUS' ENTERED AT 13:14:44 ON 14 NOV 2002

Print selected from Online session14/11/2002

FILE COVERS 1907 - 14 Nov 2002 VOL 137 ISS 20
FILE LAST UPDATED: 13 Nov 2002 (20021113/ED)

  This file contains CAS Registry Numbers for easy and accurate
  substance identification.

CAS roles have been modified effective December 16, 2001. Please
check your SDI profiles to see if they need to be revised. For
information on CAS roles, enter HELP ROLES at an arrow prompt or use
the CAS Roles thesaurus (/RL field) in this file.

=> d his

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     FILE 'REGISTRY' ENTERED AT 12:32:23 ON 14 NOV 2002
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L2   11 S L1
L3   8140 S L1 FUL
L4   STRUCTURE UPLOADED
L5   5 S L4
L6   2225 S L5 FUL

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L9   0 S L8
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L15   0 S L14
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     FILE 'CAPLUS' ENTERED AT 13:14:44 ON 14 NOV 2002

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L18   6 L16

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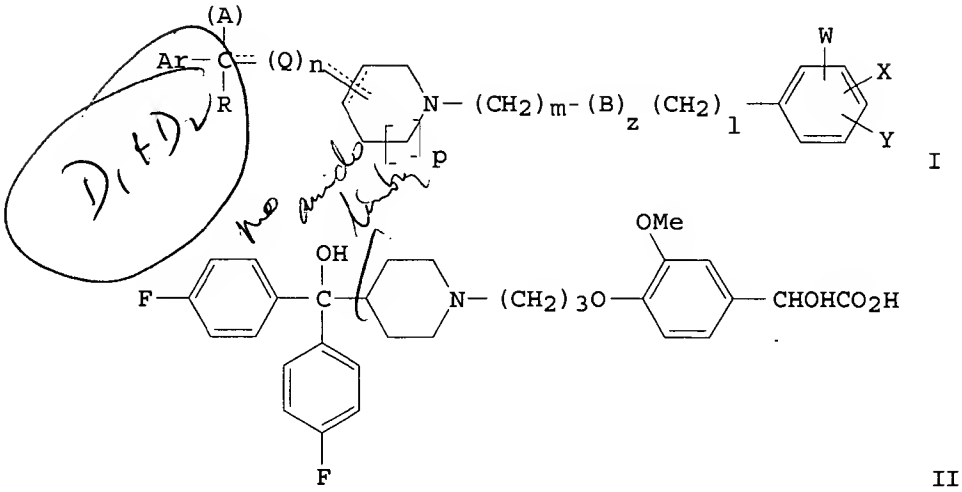
L18 ANSWER 1 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI



I

II

AB Title compds. I [Ar = (substituted) Ph; R = (substituted) Ph, -benzyl, pyridyl, pyridylmethyl, cycloalkyl, cycloalkylmethyl; A = H, OH, cyano, CONR4R5, NR4R5; Q = CH2, CH, CHOH; d, n = 0, 1; dotted lines = optional bonds; p = 0-2; m = 0-6; B = O, N, S, SO, SO2; z = 0, 1 (m = 2-6 when z = 1); l = 0, 1; W = H, C1-8 alkyl, halo, NO2, C1-8 alkoxy, OH; X = H, C1-8 alkyl, halo, C1-8 alkoxy, OH; Y = CHOHCH2OH, CHOHCO2H, COCO2H, COCH2OH, COCO2Me, COCO2Et, CH2CO2Et, CH2CO2Et, CHOHCO2Me, CHOHCO2Et, COCH2OCOMe; R1-R3 = H, C1-8 alkyl, halo, NO2, CF3, cyano, C1-8 alkoxy, OH; R4, R5 = H, (phenyl) C1-8 alkyl, Ph] were prepd., e.g., as antiallergics (no data). Thus, benzyl 4-hydroxy-3-methyoxymandelate (prepn. given) was O-alkylated by Br(CH2)3Cl and the product formed was treated with [.alpha.,.alpha.-bis(4-fluorophenyl)]-4-piperidinemethanol hydrochloride (prepn. given). The resultant benzyl ester was hydrogenated over 5% Pd/C to give title compd. II.

AN 1992:151575 CAPLUS

DN 116:151575

TI Preparation of N-phenoxyalkyl(aralkyl)piperidines and related compounds as cardiovascular, anthihistaminic, antisecretory, and antiallergy agents

IN Teng, Lina C.; Walsh, David A.; Shanklin, James R., Jr.

PA Robins, A. H., Co., Inc., USA

SO U.S., 34 pp.
CODEN: USXXAM

DT Patent

LA English

FAN.CNT 1

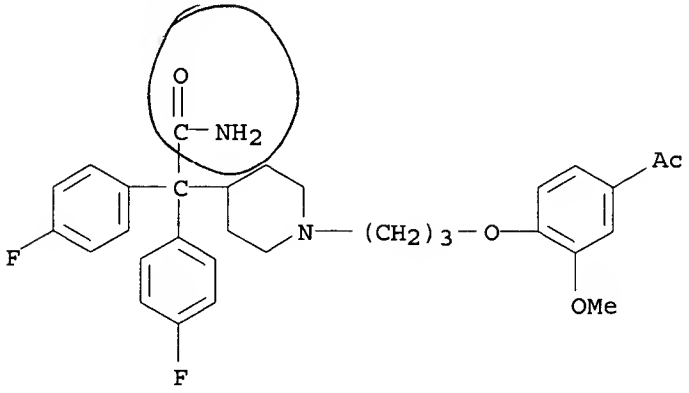
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 5070087	A	19911203	US 1989-349247	19890508

OS MARPAT 116:151575

IT **135257-00-0P 135257-01-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as cardiovascular, antihistaminic, antisecretory, and antiallergic agent)

RN 135257-00-0 CAPLUS

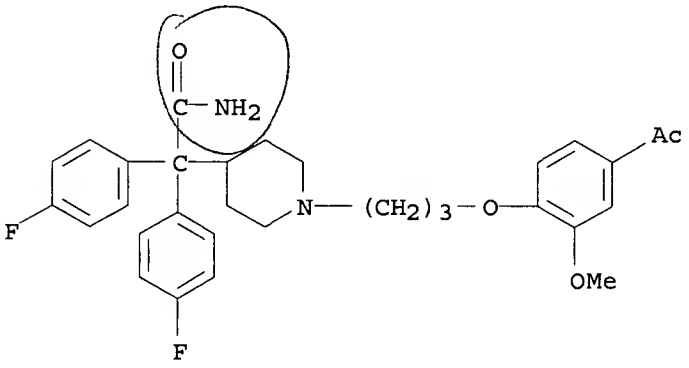
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-bis(4-fluorophenyl)- (9CI) (CA INDEX NAME)



RN 135257-01-1 CAPLUS
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-bis(4-fluorophenyl)-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

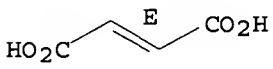
CRN 135257-00-0
CMF C31 H34 F2 N2 O4



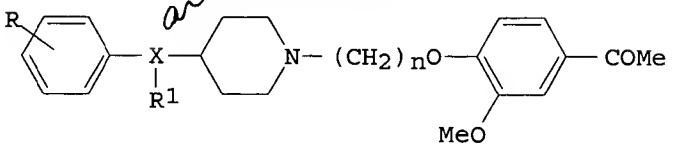
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



L18 ANSWER 2 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI



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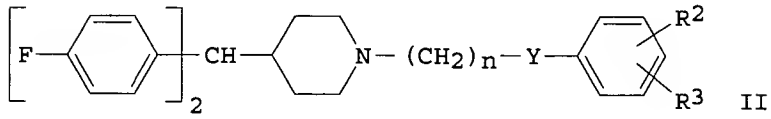

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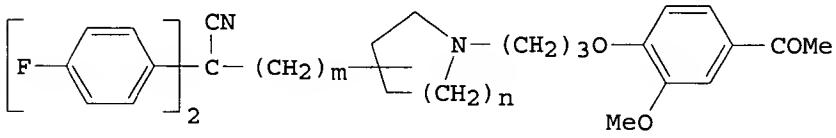


III

AB Title compds. I (R = 4-F, H, 3,4-F2, 2,4-F2, 4-Cl, 4-Me, 3-F, 4-MeO, R1 = 4-FC6H4, Ph, 3-FC6H4, H, 2-pyridyl, etc., X = CH, CHCH2, C(OH), etc., n = 2-6), II [R2 = 2-MeO, R3 = 4-COMe, 4-CH(OH)Me, 4-Et, 4-CO2Me, etc.; R2 = 4-COMe, 4-CONH2, 4-cyano, 4-F, etc., R3 = H; Y = O, CH2, NMe, S, SO2, n = 2, 3], and III (n = 1, 2, m = 0, 1; ring position = 3, 4) were prepd. as calcium-channel blockers and antihypertensive agents. Thus, reacting Me vanillate with 4-[bis(4-fluorophenyl)methyl]-1-(3-chloropropyl)piperidine gave II (R2 = 2-MeO, R3 = 4-CO2Me, Y = O, n = 3). The most potent compds. had fluoro substituents in the 3- and/or 4-positions of both rings of the di-Ph group.

AN 1991:583028 CAPLUS

DN 115:183028

TI Synthesis, calcium-channel-blocking activity, and antihypertensive activity of 4-(diarylmethyl)-1-[3-(aryloxy)propyl]piperidines and structurally related compounds

AU Shanklin, James R., Jr.; Johnson, Christopher P., III; Proakis, Anthony G.; Barrett, Richard J.

CS Dep. Chem. Res., A. H. Robins Co., Richmond, VA, 23261-6609, USA

SO Journal of Medicinal Chemistry (1991), 34(10), 3011-22
CODEN: JMCMAR; ISSN: 0022-2623

DT Journal

LA English

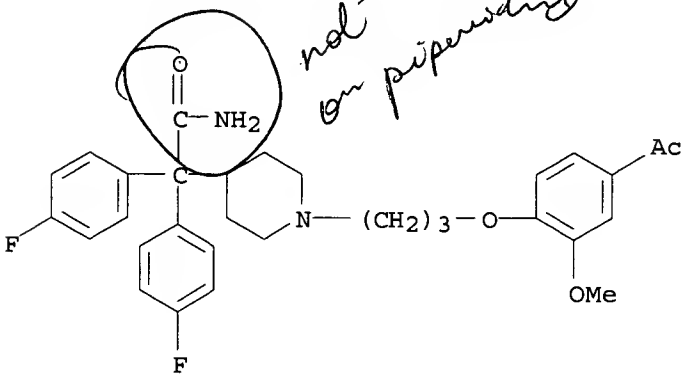
IT **135257-01-1P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn., antihypertensive, and calcium channel blocking activity of)

RN 135257-01-1 CAPLUS

CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-bis(4-fluorophenyl)-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

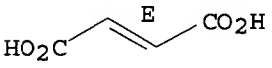
CRN 135257-00-0
CMF C31 H34 F2 N2 O4



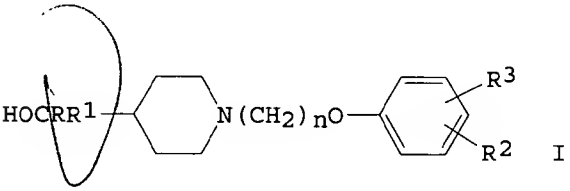
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



L18 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI

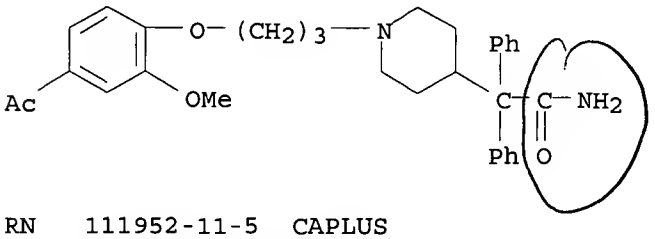


I

AB A series of title piperidines I (R, R1 = substituted phenyl) were synthesized and evaluated for antiallergy activity. Several analogs had potent activity in the passive foot anaphylaxis assay, an IgE-mediated model useful in the detection of compds. possessing antiallergic activity. In particular, I (R = R1 = 4-FC6H4; R2 = 2-MeO, R3 = 4-Ac) (AHR-5333) was more potent than oxatomide and terfenadine in this assay.

AN 1989:38844 CAPLUS
DN 110:38844
TI Synthesis and antiallergy activity of 4-(diarylhydroxymethyl)-1-[3-(aryloxy)propyl]piperidines and structurally related compounds
AU Walsh, David A.; Franzyshen, Stephen K.; Yanni, John M.
CS Dep. Chem. Res., A. H. Robins Co., Richmond, VA, 23261-6609, USA
SO Journal of Medicinal Chemistry (1989), 32(1), 105-18
CODEN: JMCMAR; ISSN: 0022-2623
DT Journal
LA English
OS CASREACT 110:38844
IT **111951-79-2P 111952-11-5P**
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. and oral antiallergy activity of)
RN 111951-79-2 CAPLUS

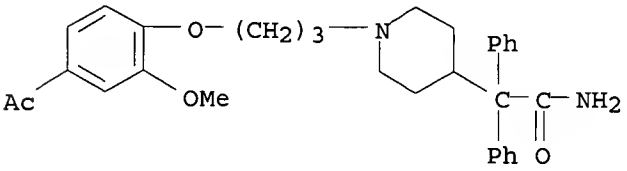
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-
.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



RN 111952-11-5 CAPLUS
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-
.alpha.,.alpha.-diphenyl-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

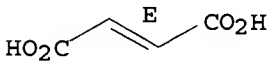
CRN 111951-79-2
CMF C31 H36 N2 O4



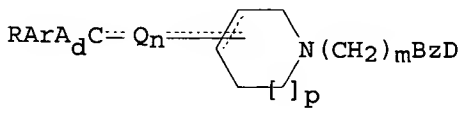
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



L18 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI



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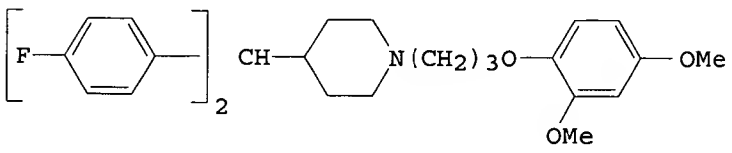


II

AB The title compds. I [A = H, OR1, cyano, CONR1R2, COR1, CO2R1, R1CO2, CH2OR1, CH2NR1R2; Ar = pyridyl, thienyl, furyl, naphthyl, (un)substituted Ph; B = O, S, SO, SO2, NR1, NCO2R1; D = Ar, benzopyranyl, benzodioxanylalkyl, quinolinyl; Q = CH, CH2, CHOH; R = Ar, (un)substituted PhCH2; R1 = H, R2; R2 = alkyl, Ph, phenylalkyl; d, n, z = 0, 1 (n + z .noteq. 0); m = 0-6; p = 0-2] were prepd. as antihypertensives and antianginal agents. A mixt. of 4.75 g 4-[.alpha.,.alpha.-bis(p-fluorophenyl)methyl]piperidine and 4.0 g 3-(p-acetyl-o-methoxyphenoxy)propyl chloride (prepn. each given) in DMF contg. NaHCO3 was heated at 100.degree. for 1 h to give 5.5 g disubstituted piperidine II which, at 10-7 M, caused a 100% redn. in contraction of rabbit aortal strips exposed to 10-3 M Ca.

AN 1988:37654 CAPLUS

DN 108:37654

TI Preparation of N-aryloxyalkyl arylalkyl- and arylalkylenepiperidines as antihypertensives and antianginal agents

IN Shanklin, James Robert, Jr.; Proakis, Anthony George

PA Robins, A. H., Co., Inc., USA

SO S. African, 184 pp.
CODEN: SFXXAB

DT Patent

LA English

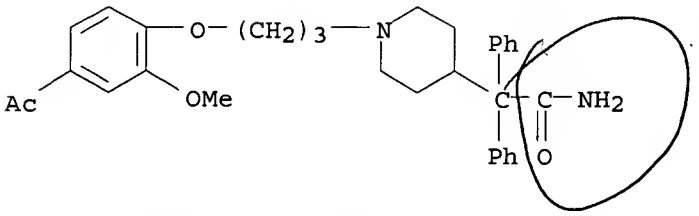
FAN.CNT 3

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	ZA 8604522	A	19870225	ZA 1986-4522	19860617
	IN 163948	A	19881210	IN 1986-MA407	19860527
	IL 78939	A1	19900429	IL 1986-78939	19860527
	JP 62169763	A2	19870725	JP 1986-169673	19860718
	JP 07072171	B4	19950802		
	DK 8603479	A	19870718	DK 1986-3479	19860722
	AU 8662473	A1	19870723	AU 1986-62473	19860909
	AU 594972	B2	19900322		
	EP 228893	A2	19870715	EP 1986-310047	19861222
	EP 228893	A3	19900103		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	EP 235463	A2	19870909	EP 1986-310045	19861222
	EP 235463	A3	19900117		
	R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
	CA 1291995	A1	19911112	CA 1987-526931	19870108
	AU 8929823	A1	19890810	AU 1989-29823	19890210
	AU 629535	B2	19921008		
	ZA 8901081	A	19901031	ZA 1989-1081	19890210
PRAI	US 1986-819701		19860117		
	US 1988-154390		19880210		
	US 1985-811799		19851220		
	ZA 1986-4522		19860617		

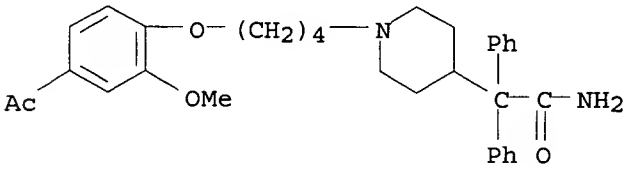
IT **111951-79-2P 111951-80-5P 111951-81-6P**
111951-89-4P 111952-11-5P 111952-12-6P
RL: SPN (Synthetic preparation); PREP (Preparation)
(prepn. of, as antihypertensive or antianginal agent)

RN 111951-79-2 CAPLUS

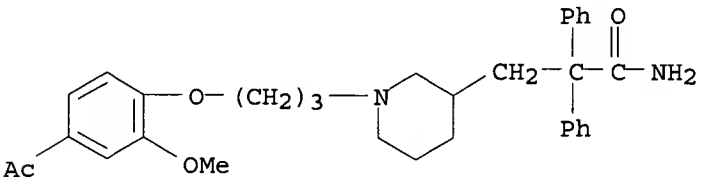
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



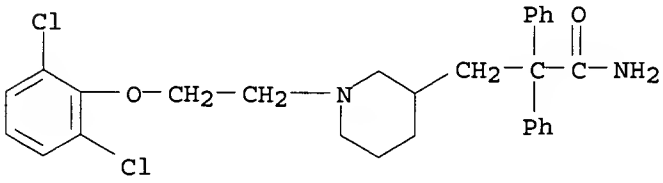
RN 111951-80-5 CAPLUS
CN 4-Piperidineacetamide, 1-[4-(4-acetyl-2-methoxyphenoxy)butyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



RN 111951-81-6 CAPLUS
CN 3-Piperidinepropanamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



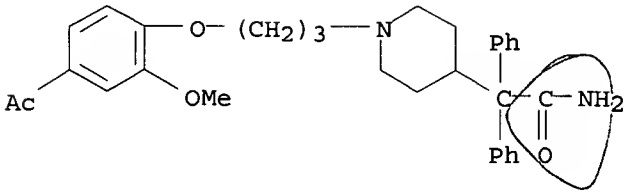
RN 111951-89-4 CAPLUS
CN 3-Piperidinepropanamide, 1-[2-(2,6-dichlorophenoxy)ethyl]-.alpha.,.alpha.-diphenyl- (9CI) (CA INDEX NAME)



RN 111952-11-5 CAPLUS
CN 4-Piperidineacetamide, 1-[3-(4-acetyl-2-methoxyphenoxy)propyl]-.alpha.,.alpha.-diphenyl-, (2E)-2-butenedioate (2:1) (9CI) (CA INDEX NAME)

CM 1

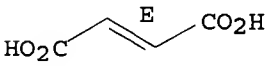
CRN 111951-79-2
CMF C31 H36 N2 O4



CM 2

CRN 110-17-8
CMF C4 H4 O4

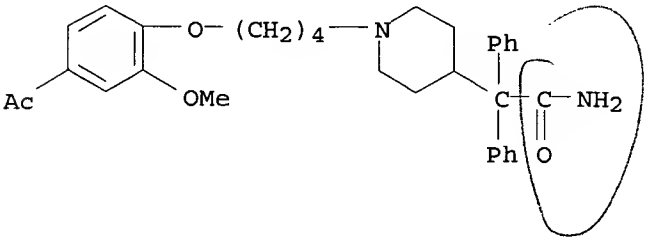
Double bond geometry as shown.



RN 111952-12-6 CAPLUS
CN 4-Piperidineacetamide, 1-[4-(4-acetyl-2-methoxyphenoxy)butyl]-.alpha.,.alpha.-diphenyl-, (2E)-2-butenedioate (1:1) (9CI) (CA INDEX NAME)

CM 1

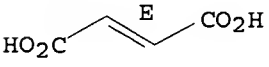
CRN 111951-80-5
CMF C32 H38 N2 O4



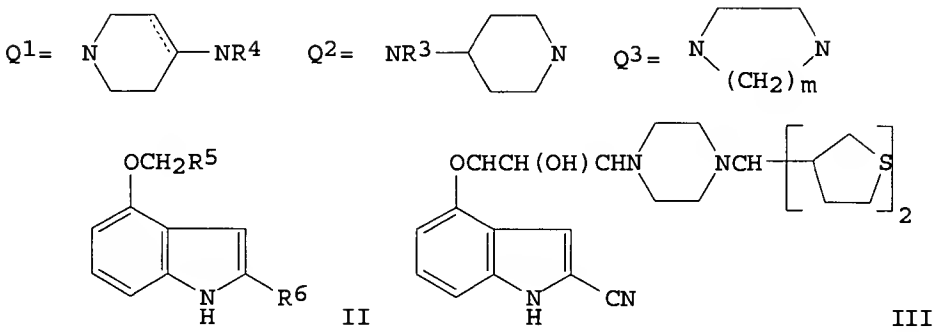
CM 2

CRN 110-17-8
CMF C4 H4 O4

Double bond geometry as shown.



L18 ANSWER 5 OF 6 CAPLUS COPYRIGHT 2002 ACS
GI

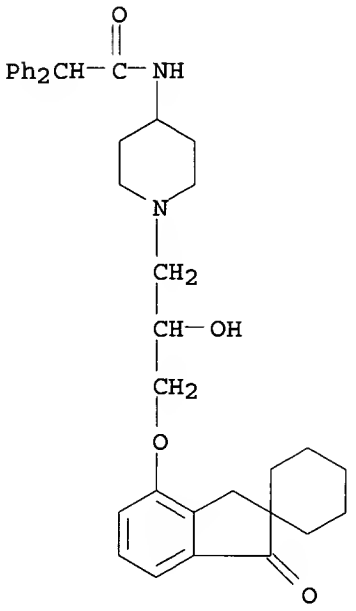


AB R1OCH2CH(OH)CH2Z(CO)nR2 [I; R1 = (un)substituted (hetero)aryl; R2 = (hetero)aryl, cycloalkyl, substituted alkyl; Z = NR3(CH2)nNR4, Q1, Q2, Q3; R3 = H, alkyl; R4 = H, alkyl, (un)substituted Ph; n = 0, 1 m = 2-4] were prepd. as cardiotonics (no data). Thus, (S)-2,2-dimethyl-1,3-dioxolane-4-methanol was sequentially benzylated deketalized, tosylated, and condensed with 4-hydroxy-1H-indole-2-carboxamide to give (R)-4-propoxyindole II [R5 = PhCH2OCH2CH(OH), R6 = CONH2]. This was debenzylated, epoxidized, and dehydrated to give (S)-II (R5 = oxiranyl, R6 = cyano). The latter was condensed with 1-(di-3-thienylmethyl)piperazine to give (S)-(indolyloxy)hydroxypropylpiperazine III.

AN 1987:84635 CAPLUS
DN 106:84635
TI (Aryloxy)hydroxypropyl heterocycles
IN Berthold, Richard; Ott, Hans
PA Sandoz-Patent-G.m.b.H., Fed. Rep. Ger.
SO Ger. Offen., 60 pp.
CODEN: GWXXBX
DT Patent
LA German
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	DE 3524955	A1	19860130	DE 1985-3524955	19850712
	GB 2163150	A1	19860219	GB 1985-17068	19850705
	GB 2163150	B2	19880525		
	CH 665208	A	19880429	CH 1985-2985	19850710
	BE 902897	A1	19860115	BE 1985-11297	19850715
	JP 61037765	A2	19860222	JP 1985-160011	19850718
PRAI	DE 1984-3426630		19840719		
	DE 1984-3426632		19840719		
	DE 1985-3509557		19850316		

OS CASREACT 106:84635
IT **103915-02-2P**
RL: BAC (Biological activity or effector, except adverse); BSU (Biological study, unclassified); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
(prepn. of, as cardiotonic)
RN 103915-02-2 CAPLUS
CN Benzeneacetamide, N-[1-[3-[(1',3'-dihydro-1'-oxospiro[cyclohexane-1,2'-[2H]inden]-4'-yl)oxy]-2-hydroxypropyl]-4-piperidinyl]-.alpha.-phenyl-(9CI) (CA INDEX NAME)



L18 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2002 ACS

AB The title compds. R1OCH2CH(OH)CH2Z(CO)mR [R = (un)substituted alkyl; R1 = arom. or heteroarom. radical; Z = piperidinylamino, 4-piperazinylamino, NR2(CH2)nNR3; R2, R3 = H, alkyl; n = 2-4] are prepd. as cardiotonic, antiarrhythmic, and .alpha.- and .beta.-sympatholytics. Thus, melting a mixt. of (S)-4-(2,3-epoxypropoxy)-1H-indole-2-carbonitrile (prepn. given) with 1-(3,3'-dithienylmethyl)piperazine (prepn. given) gave (S)-4-[3-[4-(3,3'-dithienylmethyl)piperazin-1-yl]-2-hydroxypropoxy]-1H-indole-2-carbonitrile (I). I (10-9-10-6M) inhibited the pos. inotropic effect of adrenaline on the guinea pig auricle, in vitro.

AN 1986:572505 CAPLUS

DN 105:172505

TI 3-Aminopropoxyaryl derivatives

IN Berthold, Richard; Ott, Hans

PA Sandoz S. A., Switz.

SO Fr. Demande, 57 pp.
CODEN: FRXXBL

DT Patent

LA French

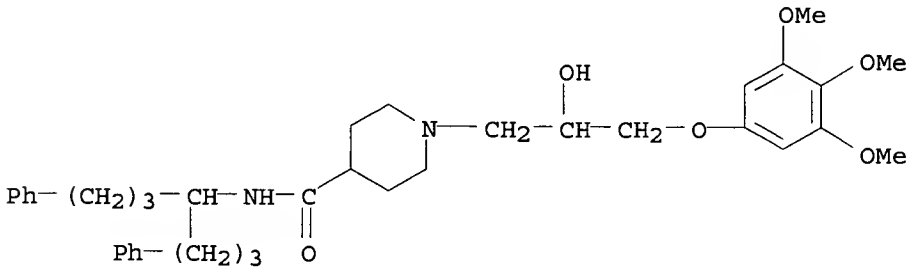
FAN.CNT 2

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	FR 2567885	A1	19860124	FR 1985-10852	19850712
	FR 2567885	B1	19880916		
	GB 2163150	A1	19860219	GB 1985-17068	19850705
	GB 2163150	B2	19880525		
	CH 665208	A	19880429	CH 1985-2985	19850710
	BE 902897	A1	19860115	BE 1985-11297	19850715
	JP 61037765	A2	19860222	JP 1985-160011	19850718
PRAI	DE 1984-3426630		19840719		
	DE 1984-3426632		19840719		
	DE 1985-3509557		19850316		

IT **104546-41-0P**
RL: SPN (Synthetic preparation); PREP (Preparation)

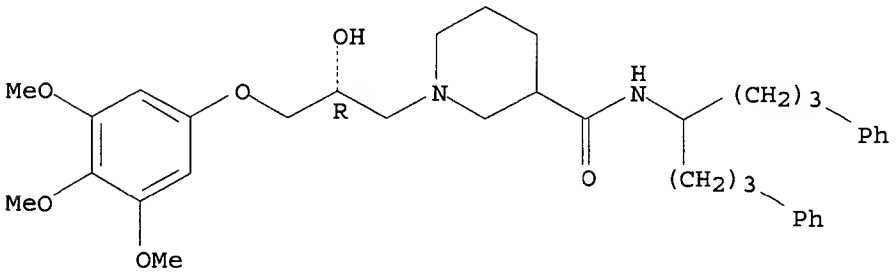
(prepn. of, as cardiotonic drug)
RN 104546-41-0 CAPLUS

LN.CNT 1625
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L11 ANSWER 6 OF 8 USPATFULL
AB Substituted heterocyclic compounds are disclosed. The compounds are useful for treating multidrug resistance. The compounds can be formulated in compositions with a carrier and, optionally, a therapeutic agent. One suitable substituted heterocyclic compound has the formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:186292 USPATFULL
TI Substituted heterocyclic compounds for treating multidrug resistance
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PA The Procter Gamble Co. (U.S. corporation)
PI US 2002099215 A1 20020725

Print selected from Online session14/11/2002

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NEWS 3	Apr 09	BEILSTEIN: Reload and Implementation of a New Subject Area
NEWS 4	Apr 09	ZDB will be removed from STN
NEWS 5	Apr 19	US Patent Applications available in IFICDB, IFIPAT, and IFIUDB
NEWS 6	Apr 22	Records from IP.com available in CAPLUS, HCAPLUS, and ZCAPLUS
NEWS 7	Apr 22	BIOSIS Gene Names now available in TOXCENTER
NEWS 8	Apr 22	Federal Research in Progress (FEDRIP) now available
NEWS 9	Jun 03	New e-mail delivery for search results now available
NEWS 10	Jun 10	MEDLINE Reload
NEWS 11	Jun 10	PCTFULL has been reloaded
NEWS 12	Jul 02	FOREGE no longer contains STANDARDS file segment
NEWS 13	Jul 22	USAN to be reloaded July 28, 2002; saved answer sets no longer valid
NEWS 14	Jul 29	Enhanced polymer searching in REGISTRY
NEWS 15	Jul 30	NETFIRST to be removed from STN
NEWS 16	Aug 08	CANCERLIT reload
NEWS 17	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 18	Aug 08	NTIS has been reloaded and enhanced
NEWS 19	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 20	Aug 19	IFIPAT, IFICDB, and IFIUDB have been reloaded
NEWS 21	Aug 19	The MEDLINE file segment of TOXCENTER has been reloaded
NEWS 22	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 23	Sep 03	JAPIO has been reloaded and enhanced
NEWS 24	Sep 16	Experimental properties added to the REGISTRY file
NEWS 25	Sep 16	Indexing added to some pre-1967 records in CA/CAPLUS
NEWS 26	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 27	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 28	Oct 21	EVENTLINE has been reloaded
NEWS 29	Oct 24	BEILSTEIN adds new search fields
NEWS 30	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 31	Oct 25	MEDLINE SDI run of October 8, 2002

NEWS EXPRESS	October 14 CURRENT WINDOWS VERSION IS V6.01, CURRENT MACINTOSH VERSION IS V6.0a(ENG) AND V6.0Ja(JP), AND CURRENT DISCOVER FILE IS DATED 01 OCTOBER 2002
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NEWS INTER	General Internet Information
NEWS LOGIN	Welcome Banner and News Items
NEWS PHONE	Direct Dial and Telecommunication Network Access to STN
NEWS WWW	CAS World Wide Web Site (general information)

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DICTIONARY FILE UPDATES: 13 NOV 2002 HIGHEST RN 473527-47-8

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Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

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L1 STRUCTURE UPLOADED

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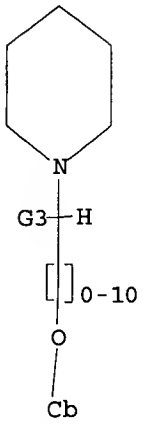
L1 STR



G1 O,N

G2 C,N

G3 H,OH

Structure attributes must be viewed using STN Express query preparation.

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SAMPLE SCREEN SEARCH COMPLETED -  36942 TO ITERATE

  2.7% PROCESSED    1000 ITERATIONS                          11 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:       727403 TO   750277
PROJECTED ANSWERS:            6918 TO     9336

L2            11 SEA SSS SAM L1

=> d 1-5

L2   ANSWER 1 OF 11  REGISTRY  COPYRIGHT 2002 ACS
RN   352641-87-3  REGISTRY
CN   1-Piperidineethanol, .alpha.-[[4-(1-hydroxypropyl)-2-
     methoxyphenoxy]methyl]- (9CI)  (CA INDEX NAME)
FS   3D CONCORD
MF   C18 H29 N O4
SR   Chemical Library
LC   STN Files:   CHEMCATS
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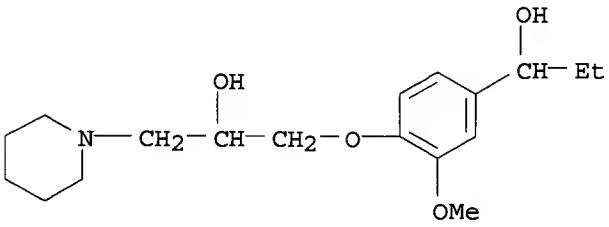
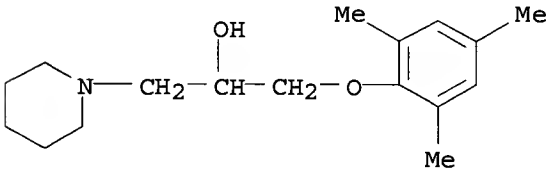


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 2 OF 11 REGISTRY COPYRIGHT 2002 ACS
RN 300852-45-3 REGISTRY
CN 1-Piperidineethanol, .alpha.-[(2,4,6-trimethylphenoxy)methyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C17 H27 N O2
CI COM
SR Chemical Library
LC STN Files: CHEMCATS

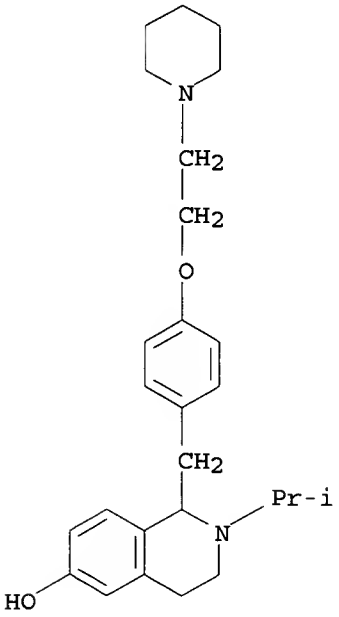


PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

L2 ANSWER 3 OF 11 REGISTRY COPYRIGHT 2002 ACS
RN 295317-30-5 REGISTRY
CN 6-Isoquinolinol, 1,2,3,4-tetrahydro-2-(1-methylethyl)-1-[[4-[2-(1-piperidinyl)ethoxy]phenyl]methyl]-, mono(trifluoroacetate) (salt) (9CI) (CA INDEX NAME)
MF C26 H36 N2 O2 . C2 H F3 O2
SR CA
LC STN Files: CA, CAPLUS, TOXCENTER, USPATFULL

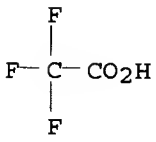
CM 1

CRN 295317-29-2
CMF C26 H36 N2 O2



CM 2

CRN 76-05-1
CMF C2 H F3 O2



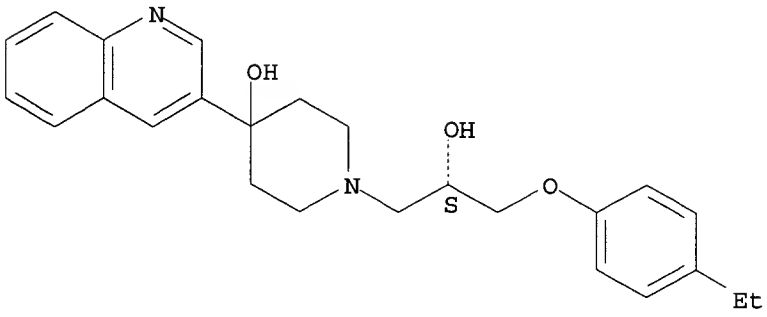
2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 4 OF 11 REGISTRY COPYRIGHT 2002 ACS
RN 256372-47-1 REGISTRY
CN 1-Piperidineethanol, .alpha.-[(4-ethylphenoxy)methyl]-4-hydroxy-4-(3-quinolinyl)-, (.alpha.S)-, ethanedioate (1:1) (salt) (9CI) (CA INDEX NAME)
FS STEREOSEARCH
MF C25 H30 N2 O3 . C2 H2 O4
SR CA
LC STN Files: CA, CAPLUS, USPATFULL

CM 1

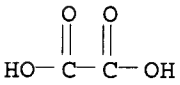
CRN 256372-46-0
CMF C25 H30 N2 O3

Absolute stereochemistry.



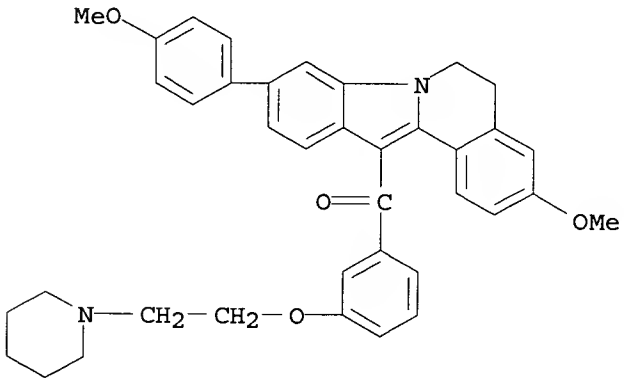
CM 2

CRN 144-62-7
CMF C2 H2 O4



2 REFERENCES IN FILE CA (1962 TO DATE)
2 REFERENCES IN FILE CAPLUS (1962 TO DATE)

L2 ANSWER 5 OF 11 REGISTRY COPYRIGHT 2002 ACS
RN 247189-71-5 REGISTRY
CN Methanone, [5,6-dihydro-3-methoxy-9-(4-methoxyphenyl)indolo[2,1-a]isoquinolin-12-yl][3-[2-(1-piperidinyl)ethoxy]phenyl]- (9CI) (CA INDEX NAME)
FS 3D CONCORD
MF C38 H38 N2 O4
SR CA
LC STN Files: CA, CAPLUS



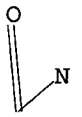
PROPERTY DATA AVAILABLE IN THE 'PROP' FORMAT

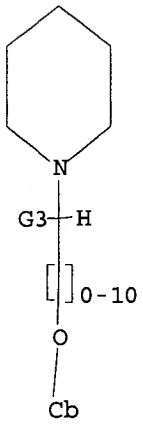
1 REFERENCES IN FILE CA (1962 TO DATE)

Print selected from Online session14/11/2002

1 REFERENCES IN FILE CAPLUS (1962 TO DATE)

```
=> d his

     (FILE 'HOME' ENTERED AT 12:32:11 ON 14 NOV 2002)

     FILE 'REGISTRY' ENTERED AT 12:32:23 ON 14 NOV 2002
L1              STRUCTURE UPLOADED
L2           11 S L1

=> s l1 ful
FULL SEARCH INITIATED 12:35:04 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 734911 TO ITERATE

 54.4% PROCESSED  400000 ITERATIONS                          8140 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.41

FULL FILE PROJECTIONS:  ONLINE  **INCOMPLETE**
                        BATCH   **INCOMPLETE**
PROJECTED ITERATIONS:       734911 TO   734911
PROJECTED ANSWERS:           14589 TO    15321

L3         8140 SEA SSS FUL L1

=>
Uploading 9996657iv.str

L4      STRUCTURE UPLOADED

=> d l4
L4 HAS NO ANSWERS
L4              STR
```





G1 O,N

G2 C,N

G3 H,OH

Structure attributes must be viewed using STN Express query preparation.

```
=> s l4
SAMPLE SEARCH INITIATED 12:47:19 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED -  16513 TO ITERATE

  6.1% PROCESSED    1000 ITERATIONS                                5 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.02

FULL FILE PROJECTIONS:  ONLINE  **COMPLETE**
                        BATCH   **COMPLETE**
PROJECTED ITERATIONS:       322579 TO   337941
PROJECTED ANSWERS:            1106 TO     2196

L5             5 SEA SSS SAM L4

=>  s l5 ful
FULL SEARCH INITIATED 12:48:54 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 326548 TO ITERATE

100.0% PROCESSED  326548 ITERATIONS                          2225 ANSWERS
SEARCH TIME: 00.00.31

L6          2225 SEA SSS FUL L4

=> file uspatall
COST IN U.S. DOLLARS                          SINCE FILE      TOTAL
                                                   ENTRY    SESSION
```

Print selected from Online session14/11/2002

FULL ESTIMATED COST 300.62 300.83

FILE 'USPATFULL' ENTERED AT 12:52:35 ON 14 NOV 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 12:52:35 ON 14 NOV 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l6
L7 425 L6

=>
Uploading
THIS COMMAND NOT AVAILABLE IN THE CURRENT FILE
Do you want to switch to the Registry File?
Choice (Y/n):
Switching to the Registry File...
Some commands only work in certain files. For example, the EXPAND command can only be used to look at the index in a file which has an index. Enter "HELP COMMANDS" at an arrow prompt (=>) for a list of commands which can be used in this file.

=> FILE REGISTRY

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	110.78	411.61

FILE 'REGISTRY' ENTERED AT 13:03:20 ON 14 NOV 2002
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.
COPYRIGHT (C) 2002 American Chemical Society (ACS)

Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 13 NOV 2002 HIGHEST RN 473527-47-8
DICTIONARY FILE UPDATES: 13 NOV 2002 HIGHEST RN 473527-47-8

TSCA INFORMATION NOW CURRENT THROUGH MAY 20, 2002

Please note that search-term pricing does apply when conducting SmartSELECT searches.

Crossover limits have been increased. See HELP CROSSOVER for details.

Experimental and calculated property data are now available. See HELP PROPERTIES for more information. See STNote 27, Searching Properties in the CAS Registry File, for complete details:
http://www.cas.org/ONLINE/STN/STNOTES/stnotes27.pdf

=>
Uploading 9996657iv.str

L8 STRUCTURE UPLOADED

=> d l8
L8 HAS NO ANSWERS
L8 STR

Print selected from Online session14/11/2002

* STRUCTURE DIAGRAM TOO LARGE FOR DISPLAY - AVAILABLE VIA OFFLINE PRINT *

Structure attributes must be viewed using STN Express query preparation.

=> s l8
SAMPLE SEARCH INITIATED 13:03:41 FILE 'REGISTRY'
SAMPLE SCREEN SEARCH COMPLETED - 5243 TO ITERATE

19.1% PROCESSED 1000 ITERATIONS 0 ANSWERS
INCOMPLETE SEARCH (SYSTEM LIMIT EXCEEDED)
SEARCH TIME: 00.00.03

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
PROJECTED ITERATIONS: 100521 TO 109199
PROJECTED ANSWERS: 0 TO 0

L9 0 SEA SSS SAM L8

=> s l8 ful
FULL SEARCH INITIATED 13:03:53 FILE 'REGISTRY'
FULL SCREEN SEARCH COMPLETED - 103619 TO ITERATE

100.0% PROCESSED 103619 ITERATIONS 3 ANSWERS
SEARCH TIME: 00.00.22

L10 3 SEA SSS FUL L8

=> file uspatall
COST IN U.S. DOLLARS SINCE FILE ENTRY TOTAL SESSION
FULL ESTIMATED COST 140.66 552.27

FILE 'USPATFULL' ENTERED AT 13:04:26 ON 14 NOV 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'USPAT2' ENTERED AT 13:04:26 ON 14 NOV 2002
CA INDEXING COPYRIGHT (C) 2002 AMERICAN CHEMICAL SOCIETY (ACS)

=> s l10
L11 8 L10

=> d abs bib hitstr 1-8

L11 ANSWER 1 OF 8 USPATFULL
AB Substituted heterocyclic compounds for treating multidrug resistance are disclosed. Compositions and methods of use for the substituted heterocyclic compounds are disclosed. Suitable substituted heterocyclic compounds include: ##STR1##

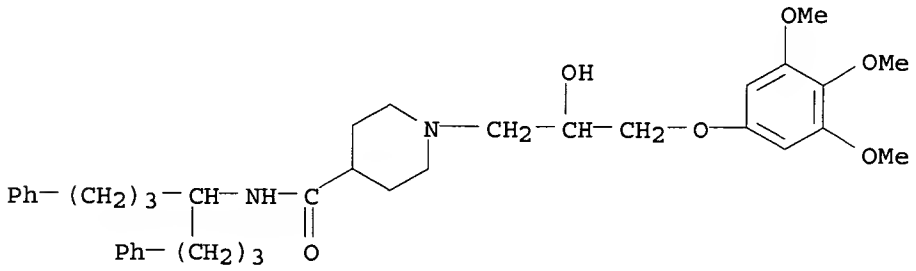
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:236071 USPATFULL
TI Substituted heterocyclic compounds for treating multidrug resistance
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002128269 A1 20020912
AI US 2000-740387 A1 20001219 (9)

Print selected from Online session14/11/2002

PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1996
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

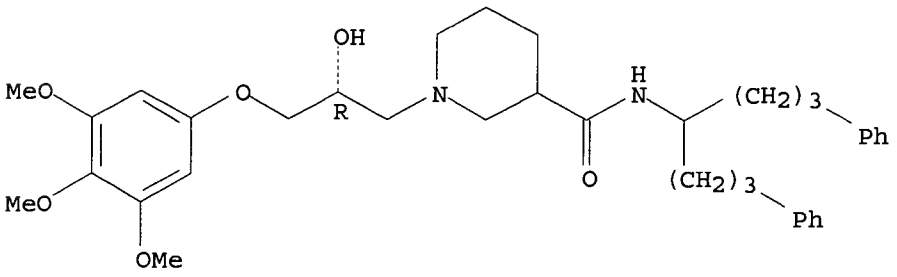
Abandoned 5/17/2002

IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



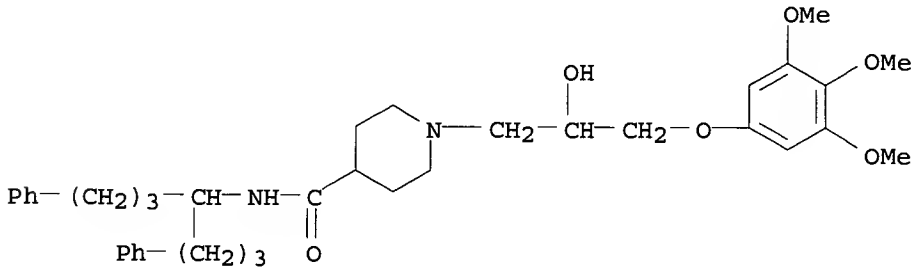
IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



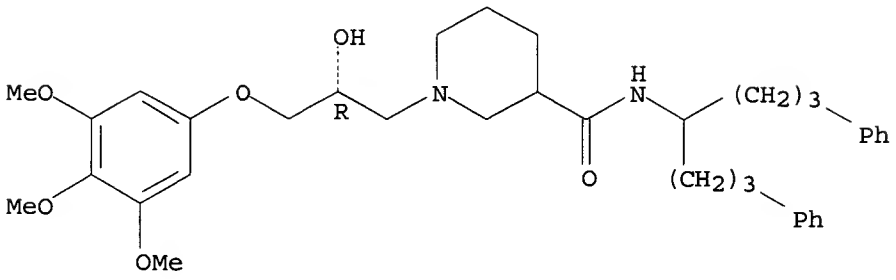
L11 ANSWER 2 OF 8 USPATFULL
AB Substituted heterocyclic compounds for treating multidrug resistance are disclosed. Compositions and methods of use for the substituted heterocyclic compounds are disclosed. Suitable substituted heterocyclic compounds include: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:228337 USPATFULL
TI SUBSTITUTED PIPERAZINE COMPOUNDS OPTIONALLY CONTAINING A QUINOLYL MOIETY FOR TREATING MULTIDRUG RESISTANCE
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002123498 A1 20020905
AI US 2000-740391 A1 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224
CLMN Number of Claims: 26
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 2075
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.

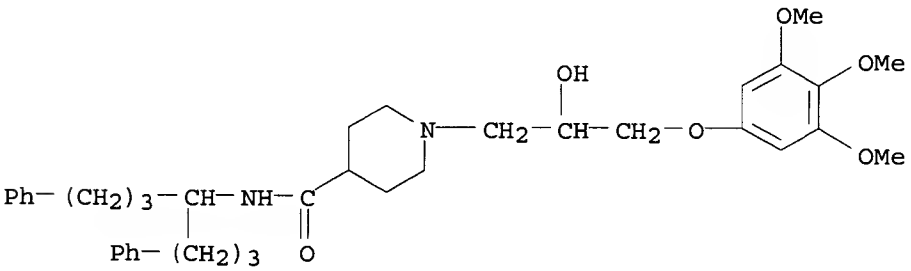


L11 ANSWER 3 OF 8 USPATFULL
AB Substituted acyclic compounds are disclosed. The compounds are useful for treating multidrug resistance. The compounds can be formulated in compositions with a carrier and, optionally, a therapeutic agent. One suitable substituted acyclic compound has the formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:221836 USPATFULL
TI Acyclic compounds and methods for treating multidrug resistance
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002119979 A1 20020829
AI US 2000-741588 A1 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224
CLMN Number of Claims: 23
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1958
CAS INDEXING IS AVAILABLE FOR THIS PATENT.

Abandoned 11/02/01

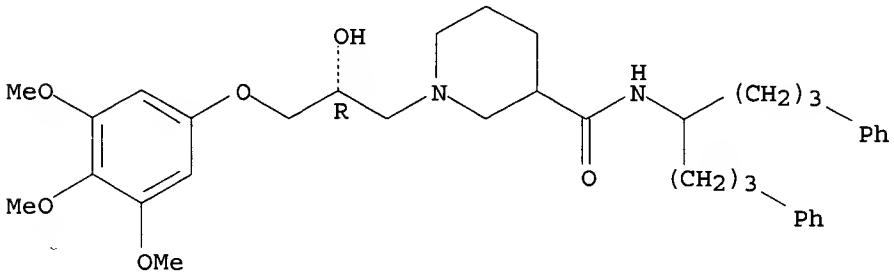
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)



IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug

resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

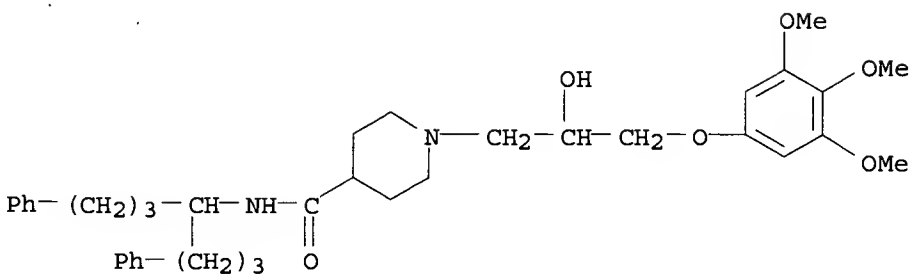
Absolute stereochemistry.



L11 ANSWER 4 OF 8 USPATFULL
AB Compounds, compositions, and methods for treating multidrug resistance are disclosed. Suitable compounds are 2-substituted heterocyclic compounds. An example compound has the formula: ##STR1##

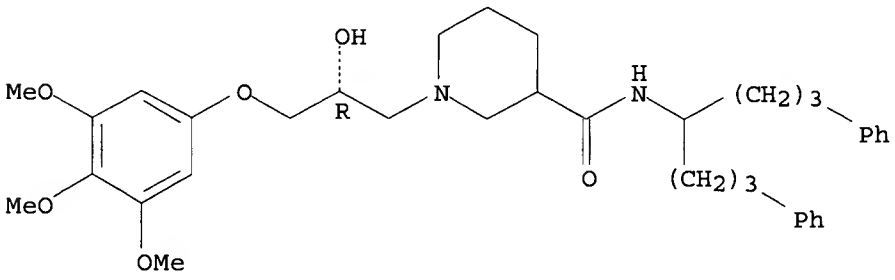
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:221817 USPATFULL
TI Substituted piperidine amides and methods of their use
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002119960 A1 20020829
AI US 2000-741272 A1 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224
CLMN Number of Claims: 17
ECL Exemplary Claim: 1
DRWN No Drawings
LN.CNT 1811
CAS INDEXING IS AVAILABLE FOR THIS PATENT.
IT **414866-81-2P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-81-2 USPATFULL
CN 4-Piperidinecarboxamide, 1-[2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

checked Thomas Mekengie



IT **414866-86-7P**
(drug; prepn. of piperidine derivs. useful for treating multidrug resistance and compns. thereof)
RN 414866-86-7 USPATFULL
CN 3-Piperidinecarboxamide, 1-[(2R)-2-hydroxy-3-(3,4,5-trimethoxyphenoxy)propyl]-N-[4-phenyl-1-(3-phenylpropyl)butyl]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



L11 ANSWER 5 OF 8 USPATFULL
AB Compounds having heterocyclic groups containing two nitrogen atoms are disclosed. The compounds are useful for treating multidrug resistance. The compounds can be formulated in compositions with a carrier and, optionally, a therapeutic agent. One suitable compound has the formula: ##STR1##

CAS INDEXING IS AVAILABLE FOR THIS PATENT.
AN 2002:214271 USPATFULL
TI Compounds having heterocyclic groups containing two nitrogen atoms for treating multidrug resistance
IN Degenhardt, Charles Raymond, Cincinnati, OH, UNITED STATES
Eickhoff, David Joseph, Edgewood, KY, UNITED STATES
PI US 2002115659 A1 20020822
AI US 2000-740644 A1 20001219 (9)
PRAI US 2000-241127P 20001017 (60)
DT Utility
FS APPLICATION
LREP THE PROCTER & GAMBLE COMPANY, INTELLECTUAL PROPERTY DIVISION, WINTON HILL TECHNICAL CENTER - BOX 161, 6110 CENTER HILL AVENUE, CINCINNATI, OH, 45224
CLMN Number of Claims: 21
ECL Exemplary Claim: 1
DRWN No Drawings

Abandoned 4/10/02